

Original / Duplicate / Triplicate
CONTRACT CERTIFICATE

1st & Final Bill

(For Other Works)

Date.....20.....

Division: RI - Yelahanka Division

Bill Received No. Dated Cash Book Voucher No. dated

Scheduled Docket No.

Name of Work: Repair and Improvements to roads and drains and footpaths of Devinagar Main Road
in ward no. 08 Keshigeballi.

Job Code No: 008-20-000035 P-CODE: P-2902

Est. cost: 100.00 lakhs

Name of Contractor and Full Address: M/s KRIDL, Bangalore.

Work Order No: EE/RIYK/VO/14/2019-20,

Dated: 18-12-2019

Certified that the measurements were taken by me on 26/02/2021 and recorded in pages 646045 to 646057 of measurement Book No. 64601/2019-20 and that the work is satisfactorily executed.

Assistant Executive Engineer,
RIYK Sub-division,
KRIDL, BBMP, Bangalore

Officer-in-charge of work

Certified that the measurements were taken by me on 26/2/21 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	2nd & Final Bill	9786395-00
2) Deduct amount to be held in reserve being.....percent	Provisionary Pay	9024116-00
3) Deduct amount to be held in Balance	Present Pay	762278-00
4) Deduct Payment:		
a) Amount of previous payment as in the Office Cash Book Voucher No. Dated S.D No.	IT 1.5%	10251-00
Amount adjusted towards cash advance recovery of	CHST	6834-00
b) Payments cost store or other materials supplied.	SGST	6834-00
New made recovery of amount creditable to this/other work	LWF	6834-00
Amount paid on this bill Cheque/Cash	CBF 0.1%	683-00
5) Balance being unpaid value of work done held in reserve	Royalty	40762-00
6) Deduct cash advance made on the office Cash Book Voucher No. date less adjustments	FSD 5%	38115-00
7) Net amount due to or from contractor	Ads	110313-00
Unadjusted items	By cheque	651965-00
8) Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied		

Assistant Executive Engineer,
RIYK Sub-division,
KRIDL, BBMP, Bangalore

Received Rs. (in words)

By Cash and by adjustment of Payment as per memorandum.

Witnesses:

1.

2.

Dated: 26/02/21
Assistant Executive Engineer,
RIYK Sub-division,
KRIDL, BBMP, Bangalore

Paid by me by cheque No. Dated: 26/02/21 by Cheque

Cash Rs. Dated: 11.03.2021 by Adjustment

Initials of Officer Making Payment

AVA

Account
Superintendent

Executive Engineer

EE (R.I.)

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Repair and Improvements to roads and drains and footpaths of Devinagar Main Road in ward no. 08 Kodigehalli

ABSTRACT

Sl No	Description of Work	Unit	As per Schedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
1	Removing and refixing stone slabs of drains and pointing in CM (1:3) with all lead and lift and as per the direction of Engineer in charge	Sqm	63.00	111.30	7011.90	62.90	7000.77	0.00	111.30	0.00	62.90	7000.77
2	KSRRB 300-1 Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications with all lead and lift and as per the direction of Engineer in charge	Cum	30.00	214.50	6435.05	29.98	6429.69	0.00	214.50	0.00	29.98	6429.69
3	KSRRB M300-14 Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 6.00 km and complete as per specifications with all lead and lift and as per the direction of Engineer in charge	Cum	235.56	57.02	13431.63	234.76	13386.24	0.00	57.02	0.00	234.76	13386.24
4	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications with all lead and lift and as per the direction of Engineer in charge	Cum	29.84	5421.90	161789.50	29.79	161523.82	0.00	5421.90	0.00	29.79	161523.82
5	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200, including cost of materials, labour, HOM complete as per specifications do- Wall & bottom thickness 10cm with all lead and lift and as per the direction of Engineer in charge	Cum	94.80	7273.72	689548.66	94.72	688935.85	0.00	7273.72	0.00	94.72	688935.85
6	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications with all lead and lift and as per the direction of Engineer in charge	Tn	3.80	72326.98	274480.89	3.80	274734.03	0.00	72326.98	0.00	3.80	274734.03

Vas

Assistant Executive Engineer
Road Infrastructure, (Yelchanka Division)

Sl No	Description of Work	Unit	As per Schedule -B			Previous Measurement		Present Measurement			Up to date	
7	Providing and laying 100mm thick pre-cast cover slabs over drains of width not exceeding 800 mm using M20 concrete reinforced with steel @ 6.00 kg/litre, slabs jointed in CM 1:3 proportion and nicely finished including providing holes in the Cover slabs wherever necessary for easy drainage of surface water including of labour, materials, HOM of machines, curing, lead and lift charges etc. 1200mm width, with all lead and lift and as per the direction of Engineer in charge	m	133.00	1375.03	182879.26	133.00	182879.26	0.00	1375.03	0.00	133.00	182879.26
8	KSRRB 14.6 Providing and laying heavy duty cobble stones interlock pavers, 60mm thick using cement and coarse sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications, with all lead and lift and as per the direction of Engineer in charge	Sqm	240.00	1116.18	267883.20	0.00	0.00	239.41	1116.18	267224.65	239.41	267224.65
9	Providing and fixing pre-cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc. complete with all lead and lift and as per the direction of Engineer in charge	Nos	892.00	432.48	385772.16	535.00	231376.80	356.00	432.48	153962.88	891.00	385339.68
10	KSRRB 600-1 Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications with all lead and lift and as per the direction of Engineer in charge	Sqm	672.00	84.80	56985.60	0.00	0.00	643.27	84.80	54548.87	643.27	54548.87
11	KSRRB 300-50 Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by mechanical means attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM complete as per specifications with all lead and lift and as per the direction of Engineer in charge	Sqm	2511.00	41.34	103804.74	2510.88	103799.57	0.00	41.34	0.00	2510.88	103799.57
12	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing by mix in place method by rotavator at OMC, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specification with all lead and lift and as per the direction of Engineer in charge	Cum	400.65	1855.00	743205.75	376.63	698650.97	23.94	1855.00	44410.56	400.57	743061.52
13	KSRRB M400-17 Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications with all lead and lift and as per the direction of Engineer in charge	Cum	564.98	2001.28	1130673.17	564.95	1130616.88	0.00	2001.28	0.00	564.95	1130616.88

Assistant Executive Engineer

Sl No	Description of Work	Unit	As per Schedule -8			Previous Measurement		Present Measurement			Up to date	
14	KSRRB M 500-6. Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM/ WMM/ including cleaning of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specifications with all lead and lift and as per the direction of Engineer in charge	Sqm	6025.00	29.68	178851.68	6025.00	178821.85	0.00	29.68	0.00	6025.00	178821.85
15	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, H.O.M complete as per specifications, with all lead and lift and as per the direction of Engineer in charge	Sqm	3515.00	5.30	18629.50	3514.12	18624.84	0.00	5.30	0.00	3514.12	18624.84
16	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, H.O.M complete as per specifications, with all lead and lift and as per the direction of Engineer in charge	Sqm	6025.00	12.72	76650.72	6025.00	76637.94	0.00	12.72	0.00	6025.00	76637.94
17	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V/ revision using 40/60 TPH capacity H.M.P. with Mechanical paver (Gr-II) (50 mm to 75 mm) with 4.5 % VG-30 Bitumen with all lead and lift and as per the direction of Engineer in charge	Cum	301.30	6858.20	2066375.66	301.25	2066031.04	0.00	6858.20	0.00	301.25	2066031.04
18	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications, Clause 507 of MORTH V/ revision as per IRC SP-53-2015, using - do - using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminous binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) with all lead and lift and as per the direction of Engineer in charge	Cum	241.04	8049.64	1940285.23	241.00	1939961.63	0.00	8049.64	0.00	241.00	1939961.63
19	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflecting Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications with all lead and lift and as per the direction of Engineer in	Sqm	126.50	454.74	57524.62	0.00	0.00	124.50	454.74	56615.13	124.50	56615.13

Yas

Assistant Executive Engineer
Road Infrastructure (Maintenance Division)
Bridges & Structures, Bangalore Circle

Sl No	Description of Work	Unit	As per Schedule - B			Previous Measurement		Present Measurement			Up to date	
20	KSRRB M800-35 Supply and Installation of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97 - DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation with all lead and lift and as per the direction of Engineer in charge	Nos	225.00	357.22	80374.50	0.00	0.00	225.00	357.22	80374.50	225.00	80374.50
Total					8442593.39	7779411.17		657136.59		8436547.79		
4% KRIDL Charges					337703.74	311176.45		26285.46		337461.91		
12% GST Charges					1053635.66	933529.34		78856.39		1012385.73		
Grand Total					9833932.78	9024116.96		762278.45		9786395.40		

CERTIFICATE

1. Certified that the work done is satisfactorily.
2. There is no departmental issues by BBMP

205-05
Assistant Executive Engineer,
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

26/02/2021
Assistant Engineer



21
Assistant Executive Engineer
Asst. Executive Engineer,
Road Infrastructure, BBMP
Bruhat Bangalore Mahanagara Palike
Bangalore - 02.